

Please Type a plus sign (+) inside this box

+

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration
Submitted
with Initial
Filing

Declaration
Submitted after initial
Filing (surcharge
(37 CFR 1.16(e))
required)

Attorney Docket Number	BP 2512
First Named Inventor	Ali Ghiasi
COMPLETE IF KNOWN	
Application Number	
Filing Date	
Group Art Unit	
Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**MULTI-STAGE MULTIPLEXING CHIP SET HAVING SWITCHABLE
FORWARD/REVERSE CLOCK RELATIONSHIP**

the specification of which

is attached hereto
OR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 3659(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PC5T international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

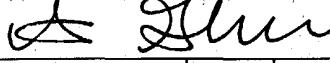
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto
60/403,457	August 12, 2002	<input type="checkbox"/>

DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application

U.S. Parent Application or PCT Parent Number		Parent Filing Date (MM/DD/YYYY)			Parent Patent Number (if applicable)		
<input type="checkbox"/> Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto							
Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number 34399 OR <input type="checkbox"/> Correspondence address below							
Name	Bruce E. Garlick						
Address	Garlick, Harrison & Markison, LLP						
Address	P.O. Box 160727						
City	Austin	State	TX	Zip	78716-0727		
Country	US	Telephone	(512) 264-8816		Fax	(512) 264-3735	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
Name of Other First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle if any)				Family Name or Surname			
Mohammad				Nejad			
Inventor's Signature	<i>M. Sarhang Nejad</i>					Date	6/15/03
Residence: City	Newport Beach	State	CA	Country	US	Citizenship	US
Post Office Address	901 Spring Tide Drive						
Post Office Address							
City	Newport Beach	State	CA	Zip	92660	Country	US
Name of Inventor:	<i>F. RST</i>	<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle if any)				Family Name or Surname			
Ali				Ghiasi			
Inventor's Signature						Date	
Residence: City	Cupertino	State	CA	Country	US	Citizenship	US
Post Office Address	19947 Lindenbrook Lane						
Post Office Address							
City	Cupertino	State	CA	Zip	95014	Country	US

U.S. Parent Application or PCT Parent Number		Parent Filing Date (MM/DD/YYYY)			Parent Patent Number (if applicable)			
<input type="checkbox"/> Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto								
Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number 34399 OR <input type="checkbox"/> Correspondence address below or Bar Code Label								
Name	Bruce E. Garlick							
Address	Garlick, Harrison & Markison, LLP							
Address	P.O. Box 160727							
City	Austin	State	TX	Zip	78716-0727			
Country	US	Telephone	(512) 264-8816		Fax	(512) 264-3735		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.								
Name of Second First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor Given Name (first and middle [if any]) Family Name or Surname Mohammad Nejad						
Inventor's Signature							Date	
Residence: City	Newport Beach	State	CA	Country	US	Citizenship US		
Post Office Address	901 Spring Tide Drive							
Post Office Address								
City	Newport Beach	State	CA	Zip	92660	Country	US	
Name of Inventor: <i>F. RST</i>		<input type="checkbox"/> A petition has been filed for this unsigned inventor Given Name (first and middle [if any]) Family Name or Surname Ali Ghiasi						
Inventor's Signature							Date	<i>6/19 2003</i>
Residence: City	Cupertino	State	CA	Country	US	Citizenship US		
Post Office Address	19947 Lindenbrook Lane							
Post Office Address								
City	Cupertino	State	CA	Zip	95014	Country	US	

Certificate Under 37 C.F.R. § 3.73(b)

Applicants: **Mohammad Nejad** **Ali Ghiasi**

Application No.: **Unknown** Filing Date: _____, 2003

Entitled: **MULTI-STAGE MULTIPLEXING CHIP SET HAVING SWITCHABLE FORWARD/REVERSE CLOCK RELATIONSHIP**

Broadcom Corporation

(Name of Assignee)

a, California Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest, or
2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: 6/20/03

Name: William J Ruehle

Title: V.P. of G.O.

Signature: William J Ruehle

POWER OF ATTORNEY FROM ASSIGNEE

Broadcom Corporation, a California corporation having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-7013, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on _____ of an invention known as **MULTI-STAGE, MULTIPLEXING CHIP SET HAVING SWITCHABLE FORWARD/REVERSE CLOCK RELATIONSHIP** (Attorney Docket No. BP 2512), which is disclosed and claimed in a patent application of the same title by the inventor(s) Mohammad Nejad and Ali Ghiasi (said application filed on _____ at the U.S. Patent and Trademark Office, having Application Number _____).

The Assignee hereby appoints the U.S. attorneys associated with Garlick, Harrison & Markison, LLP to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Bruce E. Garlick, Registration No: 36,520, James A. Harrison, Registration No. 40,401, Timothy W. Markison, Registration No. 33,534, and Shayne X. Short, Registration No. 45,105. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

GARLICK, HARRISON & MARKISON, LLP
P.O. BOX 160727
AUSTIN, TEXAS 78716-0727.

Direct phone calls to Bruce Garlick at (512) 264-8816.

FOR: Broadcom Corporation

SIGNATURE: William J. Luehle

BY:

TITLE:

DATE:

VP & CFO

6/20/03